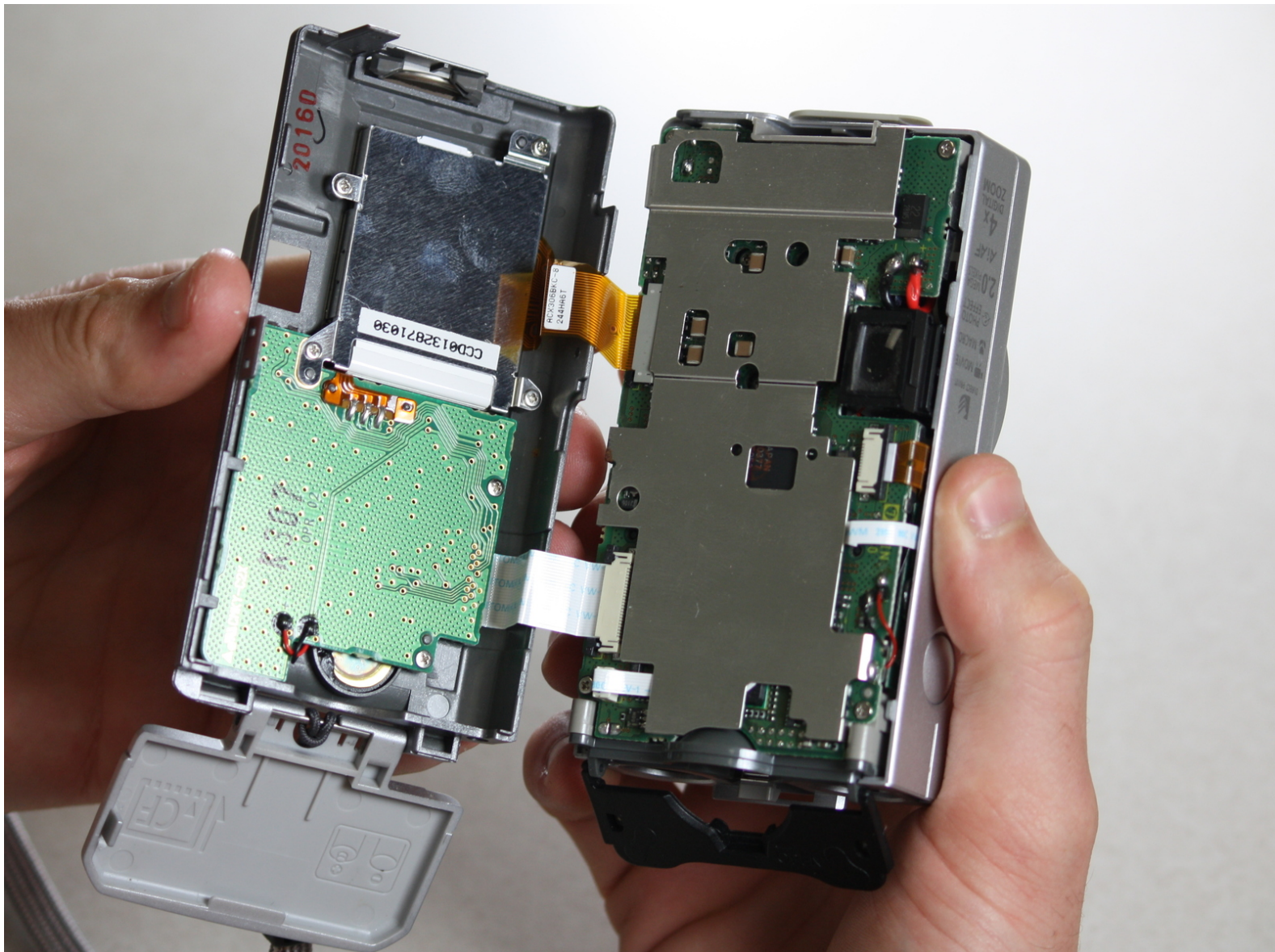




# Canon PowerShot A200 Motherboard Replacement

We will be replacing a malfunctioning motherboard with a new one.

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## INTRODUCTION

We will take out the broken motherboard and replace it with a new one.

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### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
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## Step 1 — Case



- Use the Phillips head screwdriver, rotating counterclockwise, to remove the two screws at the bottom of the camera. Set screws aside.

## Step 2



- Hold the camera right side up with the LCD screen facing you. There is a rubber cover on the left side of the camera. Move the cover out of the way to expose another screw.
- Use a Phillips head screwdriver, rotating counterclockwise, to remove both screws. Set the screws aside.



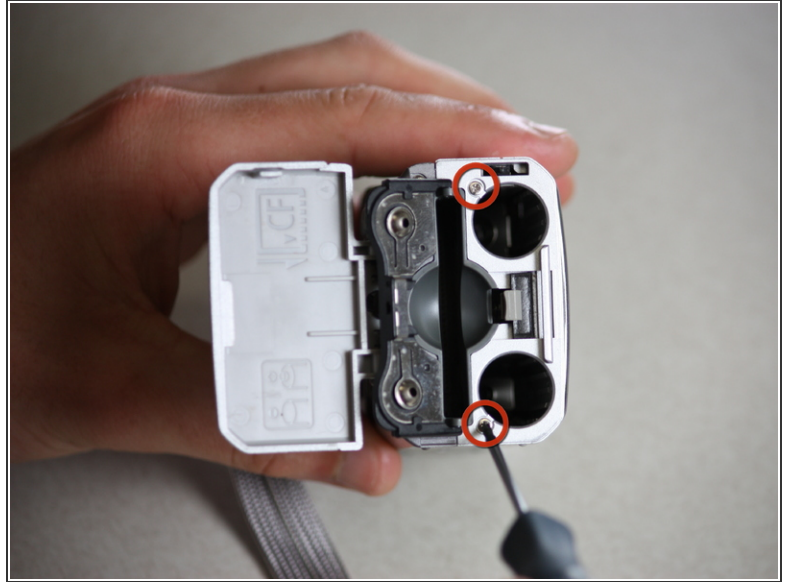
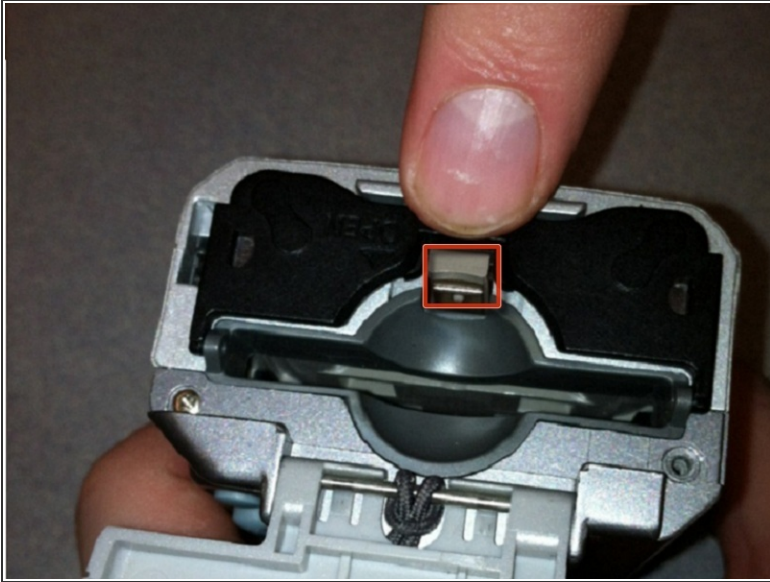
## Step 3



- Hold the camera right side up with the LCD screen facing you. Open the battery on the right side of the camera casing by pushing slightly in the direction of the arrow.
- Note: You may see a memory card. If so, remove the card by pushing down on it and it will come loose so you can gently pull it out.
- Use the Phillips head screwdriver, rotating counterclockwise, to remove the two screws on either side of the memory card. Set the screws aside.



## Step 4



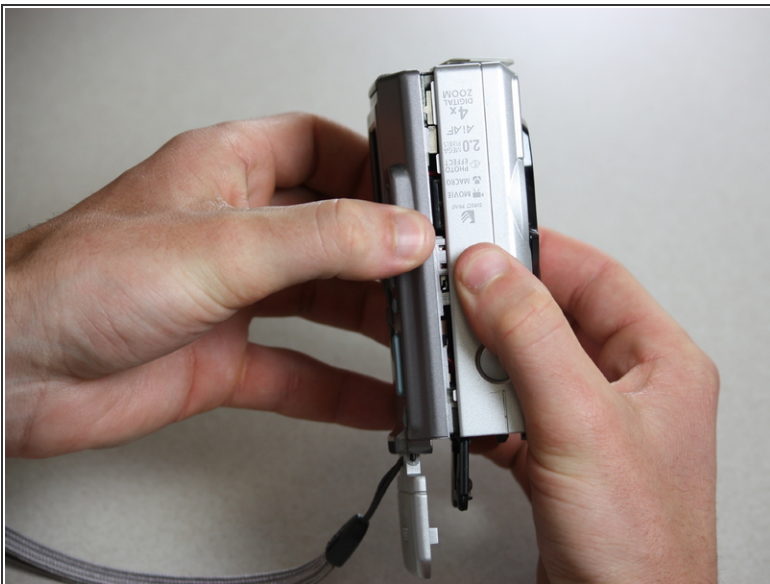
- While pulling the grey tab towards the back of the camera, lift the black section of the battery cover up.
- Use the Phillips head screwdriver, rotating counter clockwise to remove the two screws on either side of the battery slots and set them aside.
- When reassembling the camera, make sure that the grey part of the battery cover is underneath the two halves of the camera casing. The black cover should fit over the empty space where the batteries go and the holes for the screws should line up with the holes in the casing. You may need to pull the green part of the inside of the camera away from the grey tab in order to move the battery cover into place.

## Step 5



- Hold the camera right side up with the LCD screen facing you. Remove the screen battery located to the left of the screen. Set it aside.

## Step 6

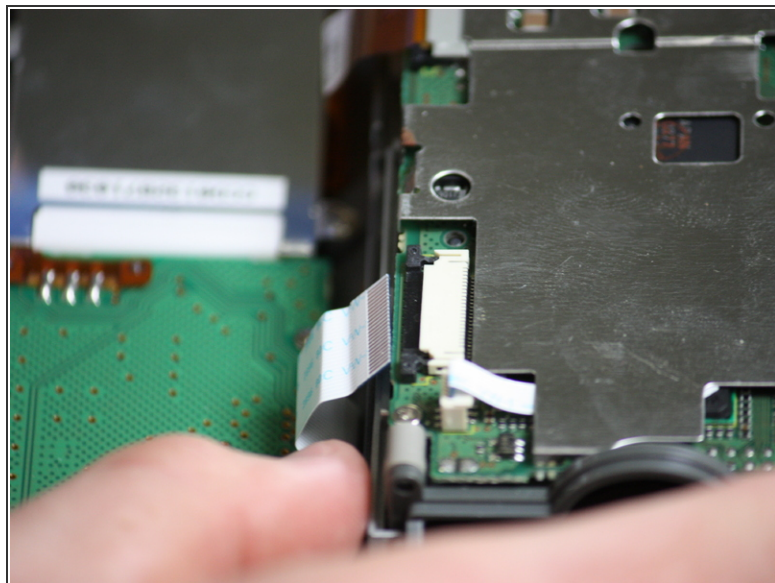


⚠ Be cautious when completing this step, as the camera will only be held together by two short ribbons.

- Gently pull the camera apart, and be aware that the ribbons are at the bottom of the camera.



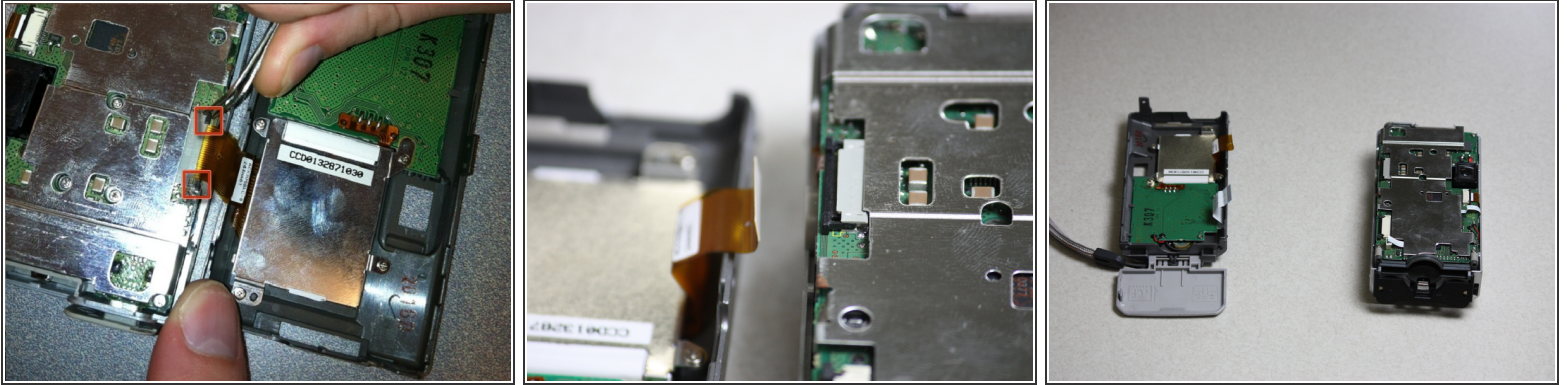
## Step 7



- On the front half of the camera, locate the black tabs on either side of the white ribbon.
- Use the metal tweezers to gently move the black tabs away from the eye viewing lens.
- Gently pull the white ribbon out of the connection.

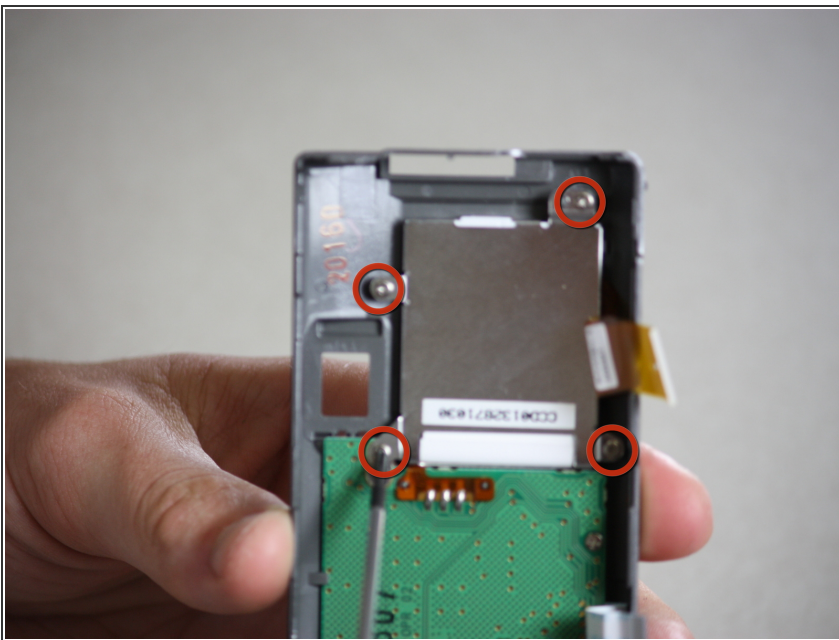


## Step 8



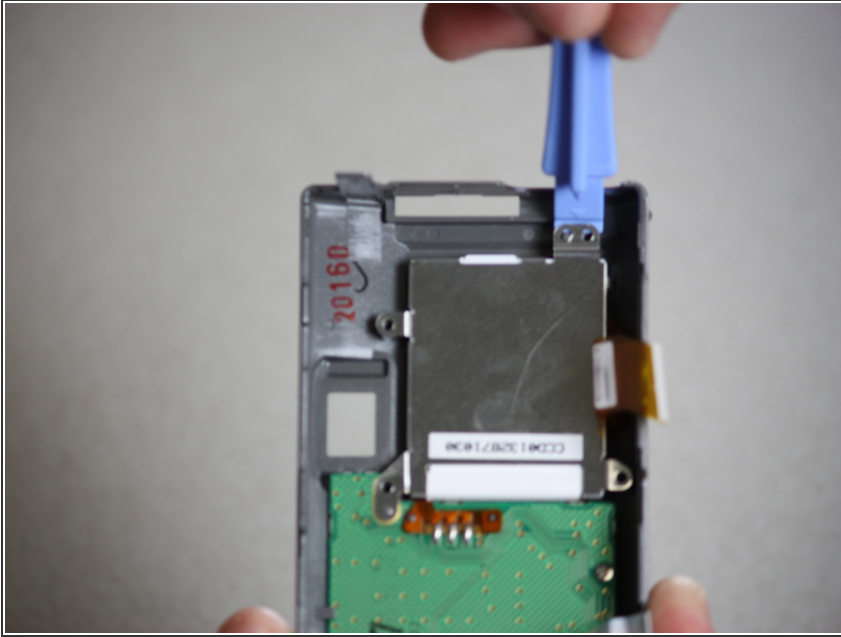
- On the front half of the camera, locate the black tabs on either side of the orange ribbon.
- Use the metal tweezers to gently move the black tabs away from the eye viewing lens.
- Gently pull the orange ribbon out of the connection.
- Note: Your camera should now be in two separate pieces. You can set aside the half with the LCD screen.

## Step 9 — LCD Display



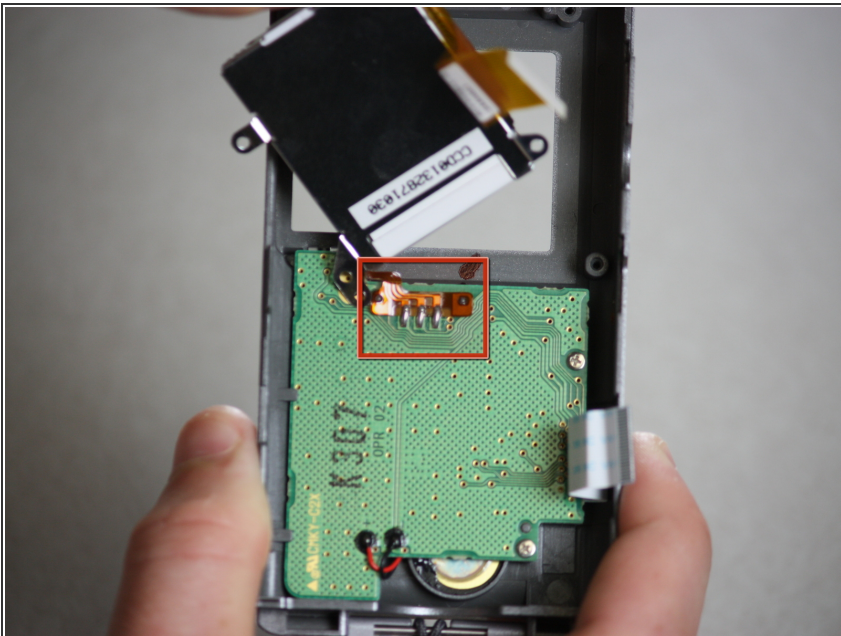
- The LCD display is located on the thinner half of the camera.
- Use the Phillips head screwdriver, rotating counter clockwise, to remove the four screws in each corner of the LCD display

## Step 10



- Lift the LCD display away from the back case using the plastic opening tool on the opposite side of the green plastic piece.

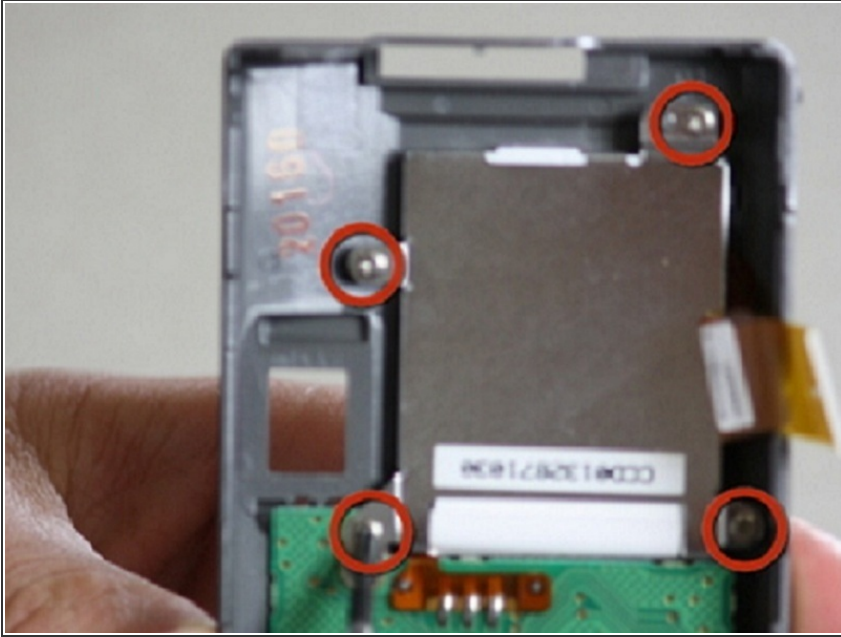
## Step 11



- Use the soldering kit to [Desolder](#) the LCD screen's connection from the orange strip connected to the back of the camera.
- Use the soldering kit to attach your new LCD screen in place of the old one. The two white bars should be parallel with the orange strip.

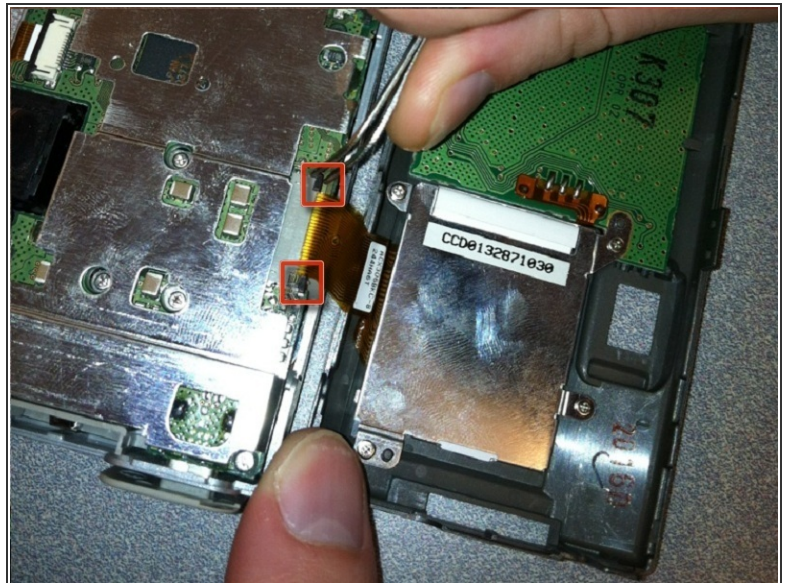
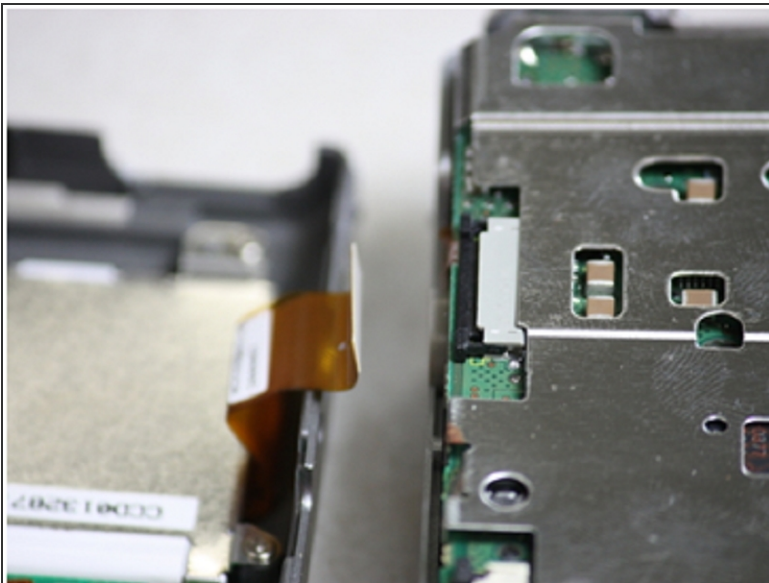


## Step 12



- Locate four of the screws that you've set aside. Use the Phillips head screwdriver, rotating clockwise, to screw them into each corner of your new LCD screen.
- Tip: To help with alignment of the screen, put in the top left screw first, followed by the bottom right, then the bottom left, followed by the top right.

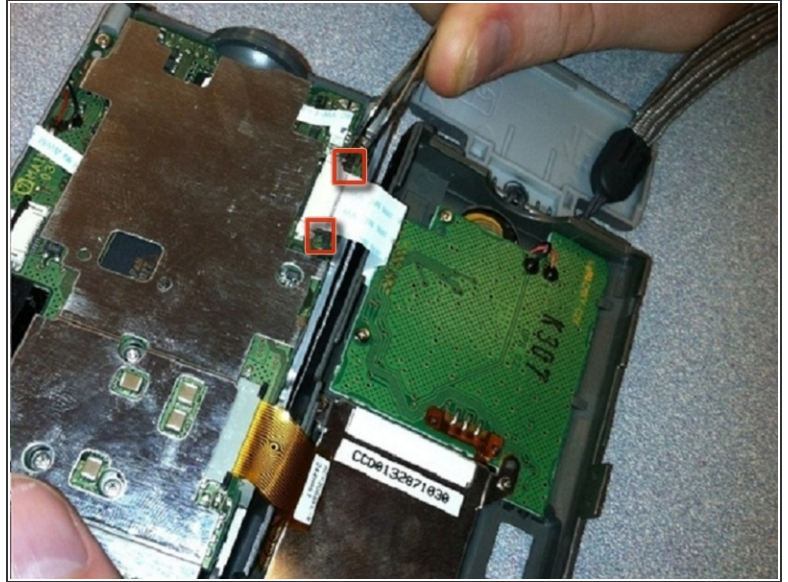
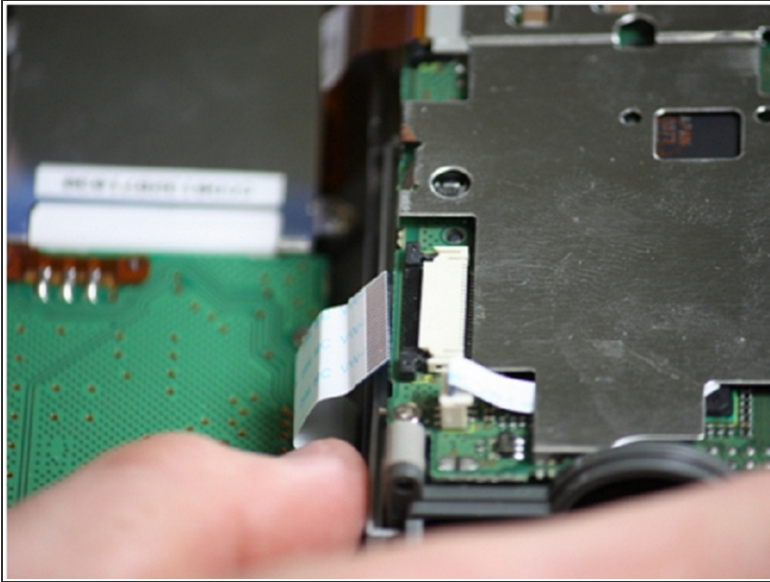
## Step 13



- Align the orange strip on the back half of the camera with its slot on the front part of the camera.
- Insert the orange ribbon into the slot. Use the metal tweezers to push the ribbon in as far as it can go into the slot, then push the black tabs back in the slots.



## Step 14



- Insert the white ribbon into the slot. Use the metal tweezers to push the ribbon in as far as it can go into the slot, then push the black tabs back in the slots.

## Step 15



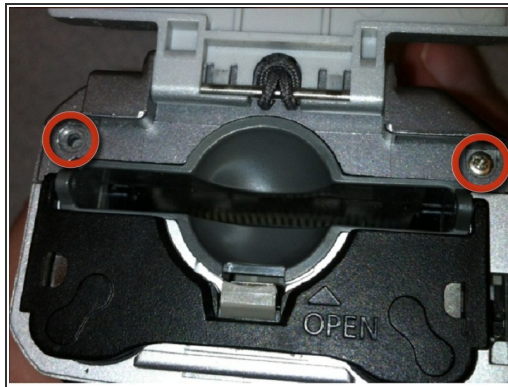
- Carefully slide both halves of the camera together, making sure everything is aligned. Press the sides firmly together until you hear a click.

## Step 16



- Insert the screen battery back into its slot to the left of the LCD screen, with the positive side of the battery facing away from the screen.

## Step 17



- Replace the two screws on either side of the battery case with the Phillips head screwdriver, turning clockwise.
- Flip the black battery cover down and press until it is secured by the gray tab.
- Use the Phillips head screwdriver, turning clockwise, to replace the two screws on either side of the memory card slot.
- Shut the outer battery cover.



## Step 18



- Use the Phillips head screwdriver, turning clockwise, to replace the two screws on the side of the camera with the rubber cover.
- Once both screws are in place, put the rubber cover back in place.

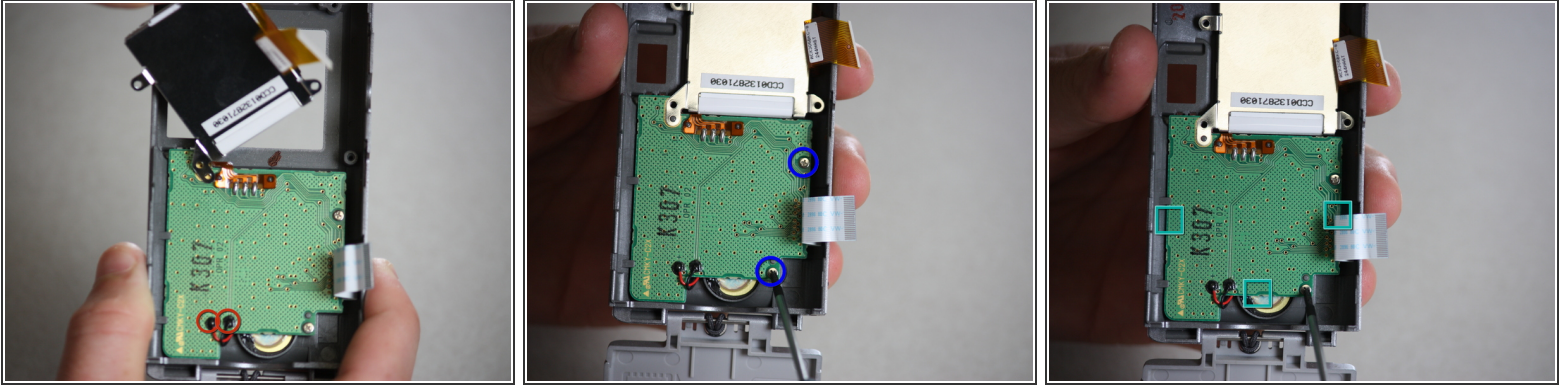
## Step 19



- Use the Phillips head screwdriver, turning clockwise, to replace the two screws at the bottom of the camera.



## Step 20 — Motherboard



- Once the LCD Display has been removed, you must unsolder the red and black connections holding the motherboard
- Using the Phillips #00 Screwdriver remove the two screws in the motherboard
- Using the Plastic Opening Tool, carefully pry the motherboard out of its place. Be careful to pull gently, as to not destroy any of the other internal parts of the camera. Pry from the indicated locations

To reassemble your device, follow these instructions in reverse order.

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